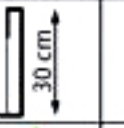
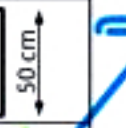
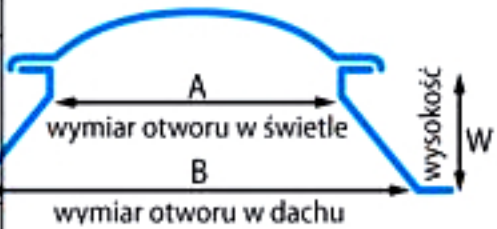


# ELEMENTÓW ŚWIETLIKÓW DACHOWYCH

| PROGRAM                                                                            |         |                                                                |                        | KOŁNIERZE Z LAMINATU SZKLANEGO                                                    |                                                                                   |                                                                                     | KOŁNIERZE STALOWE                                                                   |                                                                                     |                                                                                     |
|------------------------------------------------------------------------------------|---------|----------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| wymiar A<br>wymiar otworu w świetle                                                |         | wielkość B<br>wymiar otworu w dachu<br>typ BENELUX    typ EURO |                        |  |  |  |  |  |  |
|                                                                                    |         |                                                                |                        |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|    | kształt | 40 x 40                                                        | 65 x 65    60 x 60     | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 50 x 50                                                        | 75 x 75    70 x 70     | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 60 x 60                                                        | 85 x 85    80 x 80     | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 70 x 70                                                        | 95 x 95    90 x 90     | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 75 x 75                                                        | 100 x 100    95 x 95   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 80                                                        | 105 x 105    100 x 100 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 90 x 90                                                        | 115 x 115    110 x 110 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 100                                                      | 125 x 125    120 x 120 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 120 x 120                                                      | 145 x 145    140 x 140 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 130 x 130                                                      | 155 x 155    150 x 150 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 140 x 140                                                      | 165 x 165    160 x 160 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 150 x 150                                                      | 175 x 175    170 x 170 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 160 x 160                                                      | 185 x 185    180 x 180 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 180 x 180                                                      | 205 x 205    200 x 200 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 200 x 200                                                      | 225 x 225    220 x 220 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|  | kształt | 40 x 70                                                        | 65 x 95    60 x 90     | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 40 x 80                                                        | 65 x 105    60 x 100   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 40 x 100                                                       | 65 x 125    60 x 120   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 60 x 90                                                        | 85 x 115    80 x 110   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 65 x 150                                                       | 85 x 175    80 x 170   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 60 x 200                                                       | 85 x 225    80 x 220   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 70 x 100                                                       | 95 x 125    90 x 120   | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 75 x 120                                                       | 100 x 145    95 x 140  | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 76 x 121                                                       | 100 x 145    95 x 140  | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 100                                                       | 105 x 125    100 x 120 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 125                                                       | 105 x 150    100 x 145 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 130                                                       | 105 x 155    100 x 150 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 180                                                       | 105 x 205    100 x 200 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 230                                                       |                        | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 80 x 280                                                       |                        | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 90 x 120                                                       | 115 x 145    110 x 140 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 90 x 150                                                       | 115 x 175    110 x 170 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 130                                                      | 125 x 175    120 x 150 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 150                                                      | 100 x 150    120 x 170 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 160                                                      | 125 x 185    120 x 180 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 200                                                      | 125 x 225    120 x 220 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 220                                                      | 125 x 245    120 x 240 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 100 x 230                                                      | 125 x 255    120 x 250 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 120 x 150                                                      | 145 x 175    140 x 170 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 120 x 180                                                      | 145 x 205    140 x 200 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 120 x 210                                                      | 145 x 235    140 x 230 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 130 x 160                                                      | 155 x 185    150 x 180 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 130 x 190                                                      | 155 x 215    150 x 210 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 130 x 220                                                      | 155 x 245    150 x 240 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 130 x 230                                                      | 155 x 255    150 x 250 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 130 x 250                                                      | 155 x 275    150 x 270 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 160 x 190                                                      | 185 x 275    180 x 210 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 160 x 220                                                      | 185 x 245    180 x 240 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 160 x 230                                                      | 185 x 255    180 x 250 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 160 x 250                                                      | 185 x 275    180 x 270 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | 160 x 280                                                      | 185 x 305    180 x 300 | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|  | kształt | Ø 40                                                           | 65    60               | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 50                                                           | 75    70               | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 60                                                           | 85    80               | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 70                                                           | 95    90               | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 80                                                           | 105    100             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 90                                                           | 115    110             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 100                                                          | 125    120             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 120                                                          | 145    140             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 130                                                          | 155    150             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 140                                                          | 165    160             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 150                                                          | 175    170             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 160                                                          | 185    180             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 180                                                          | 205    200             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |
|                                                                                    |         | Ø 200                                                          | 225    220             | ✓                                                                                 | ✓                                                                                 | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   | ✓                                                                                   |



## OCHRONNY ŚWIETLIK POLIWĘGLANOWY

Kopułki z poliwęglanu dzięki swoim doskonałym właściwościom mechanicznym przeznaczone są do zabezpieczania przed uszkodzeniami mechanicznymi lub wypadnięciem. Pod obciążeniem podlegają wprowadzić deformacji lecz po odciążeniu kopułka przybiera kształt pierwotny.

