CLAIMS

1. A shade structure (8, 108), comprising a horizontal box (2, 102) that has an opening (5, 105) in a lower region and comprises within it a motorized roller (9, 109) with a shade associated therewith (8, 108) exiting from said opening (5, 105), a pair of bactericidal lamps (13a, 13b, 113a, 113b) arranged within said box (2, 102) mutually opposite in a region that is adjacent to said opening (5, 105) of said box (2, 102).

2. The structure according to claim 1, characterized in that said box (2), which has a transverse cross-section that is polygonal in plan, has ends (3a, 3b) open and closeable by way of covers (4a, 4b), at a central region of an underside (6) there being said opening (5) that is partially closed by a pair of brushes (7a, 7b) that are arranged mutually opposite so as to allow the passage between them of said shade (8).

3. The structure according to claim 1, characterized in that said box (102) is teardrop-shaped or triangular in transverse cross-section, with a vertex (117) rounded and directed downwardly, said opening (105) being defined at said vertex (117).

4. The structure according to claims 2 or 3, characterized in that said roller (9, 109) is present within said box (2, 102), comprises a motor and is arranged in a region that lies above and offset with respect to said pair of brushes (7a, 7b) or to said vertex (117), said roller (9, 109) being constituted by a tube and being moved by way of an adapted axial motor, optionally removable.

5. The structure according to claim 4, characterized in that said shade (8, 108) is wound around said roller (9, 109) and an end thereof (10, 110) is associated with a counterweight (11, 111), in a region that is adjacent to a plane of arrangement of said shade (8, 108) there being arranged a pair of guides (12a, 12b, 112a, 112b) between which said shade (8, 108) is made to slide.

6. The structure according to claim 5, characterized in that said guides

(112a, 112b) are arranged mutually parallel in a direction of the interior of said box (102) so as to define a substantially S-shaped labyrinth through which said shade (108) slides, said guides (112a, 112b) being adapted to guide said shade (108) and to prevent light from emanating from said box (102).

7. The structure according to claim 5, characterized in that said pair of bactericidal lamps (13a, 13b) is arranged in a region underlying said pair of guides (12a, 12b) such that said shade (8) is positioned between them in a condition substantially perpendicular to an axis of said pair of lamps.

8. The structure according to claim 1, characterized in that said pair of bactericidal lamps (13a, 13b, 113a, 113b) is of the type with UV-C rays.

9. The structure according to claim 1, characterized in that said pair of bactericidal lamps (13a, 13b, 113a, 113b) is activated together with a motor of said roller (9, 109) while said motor raises and lowers said shade (8, 108).

10. The structure according to claim 1, characterized in that on a front surface (15) of said box (2, 102) an on/off indicator (16) and a lapsed time meter (14) are provided.

CLAIMS

1. A shade structure (8, 108), comprising a horizontal box (2, 102), said box having an opening (5, 105) arranged in a lower region thereof, said shade structure further comprising a motorized roller (9, 109) arranged inside said box (2, 102) and having shade associated therewith (8, 108), said shade being arranged to exit from said opening (5, 105), and said shade structure (8, 108) further comprising at least one bactericidal lamp (13a, 13b, 113a, 113b) arranged inside said box (2, 102) for disinfecting said shade (8, 108) inside said box (2, 102) before said shade exits from said opening (5, 105).

2. The structure according to claim 1, wherein said box (2), which has a transverse cross-section that is polygonal in plan, has ends (3a, 3b) open and closeable by way of covers (4a, 4b), at a central region of an underside of said box (6) there being arranged said opening (5) that is partially closed by a pair of brushes (7a, 7b) that are arranged mutually opposite so as to allow the passage between them of said shade (8).

3. The structure according to claim 1, wherein said shade (8, 108) is wound around said roller (9, 109) and an end thereof (10, 110) is associated with a counterweight (11, 111), in a region that is adjacent to a plane of arrangement of said shade (8, 108) there being arranged a pair of guides (12a, 12b, 112a, 112b) between which said shade (8, 108) is made to slide.

4. The structure according to claim 1, wherein arranged within said box (2, 102) a pair of bactericidal lamps (13a, 13b) are provided, which are arranged mutually opposite in a region that is adjacent to said opening (5, 105) of said box.

5. The structure according to claim 4, further comprising a pair of guides (112a, 112b) arranged in said box for guiding said shade (8) between said pair of guides (112a, 112b), and wherein said pair of bactericidal lamps (13a, 13b) is arranged in a region underlying said pair of guides (112a, 112b) such that said shade (108) is positioned between them in a condition

substantially perpendicular to an axis of said pair of lamps (13a, 13b).

6. The structure according to claim 4, wherein said pair of bactericidal lamps (13a, 13b, 113a, 113b) is of the type with UV-C rays.

7. The structure according to claim 4, wherein said pair of bactericidal lamps (13a, 13b, 113a, 113b) is activated together with a motor of said roller (9, 109) while said motor raises and lowers said shade (8, 108).

8. The structure according to claim 1, wherein on a front surface (15) of said box (2, 102) an on/off indicator (16) and a lapsed time meter (14) are provided.

9. A shade structure (108), comprising a box (102), said box having an opening (105) arranged in a lower region thereof, said shade structure further comprising a motorized roller (109) arranged inside said box (102) and having a shade associated therewith (108), said shade being arranged to exit from said opening (105), and said shade structure (108) further comprising at least one bactericidal lamp (113a, 113b) arranged inside said box (102) for disinfecting said shade (108) inside said box (102) before said shade exits from said opening (105), wherein said box (102) is teardrop-shaped or triangular in transverse cross-section, with a vertex (117) rounded and directed downwardly, said opening (105) being defined at said vertex (117).

10. The structure according to claim 9, wherein said roller (109) is present within said box (102), comprises a motor and is arranged in a region that lies above and offset with respect to said pair of brushes (7a, 7b) or to said vertex (117), said roller (9, 109) being constituted by a tube and being moved by way of an adapted axial motor, optionally removable.

11. A shade structure (8, 108), comprising a horizontal box (2, 102) that is open (105) in a lower region and comprises within it a motorized roller (9, 109) with a shade associated therewith (8, 108), cooperating with optional guides (12a, 12b, 112a, 112b), and at least one bactericidal lamp (13a, 13b, 113a, 113b), wherein said shade (8, 108) is wound around said

roller (9, 109) and an end thereof (10, 110) is associated with a counterweight (11, 111), in a region that is adjacent to a plane of arrangement of said shade (8, 108) there being arranged a pair of guides (12a, 12b, 112a, 112b) between which said shade (8, 108) is made to slide, and wherein said guides (112a, 112b) are arranged mutually parallel in a direction of the interior of said box (102) so as to define a substantially S-shaped labyrinth through which said shade (108) slides, said guides (112a, 112b) being adapted to guide said shade (108) and to prevent light from emanating from said box (102).