CLAIMS

1. A contact lens, the lens including an optic zone comprising:

a base-power central region that provides distance correction, the central region having a first optical axis, a centre of curvature that is on the first optical axis, and a diameter that is less than 1.0 mm; and

an annular region comprising a plurality of concentric treatment zones that are adjacent to each other, wherein each treatment zone has a radial sagittal power profile that increases with increasing radial distance from the optical axis, and wherein at a point halfway across the radial widths of all of the treatment zones the radial sagittal power matches the base-power of the central region to provide distance correction.

2. A contact lens according to claim 1, wherein at least two of the treatment zones have different radial sagittal power profiles.

3. A contact lens according to claim 1 or claim 2, wherein the annular region comprises between 2 and 10 concentric treatment zones.

4. A contact lens according to any preceding claim, wherein each of the plurality of concentric treatment zones has a different radial sagittal power profile.

5. A contact lens according to any preceding claim, wherein each treatment zone has a radial width of between 0.1 and 2.5 mm.

6. A contact lens according to any preceding claim, wherein each treatment zone has a radial sagittal power gradient of between 0.5 D/mm and 20.0 D/mm.

7. A contact lens according to any preceding claim, having a nominal distance power of between +0.5 D and -15.0 D.

8. A contact lens according to claim 7, wherein at least one treatment zone has a radial curvature power that is greater than the nominal distance power of the lens.

9. A contact lens according to claim 7, wherein each treatment zone has a radial curvature power that is greater than the nominal distance power of the lens.

10. A contact lens according to any preceding claim, wherein the radial curvature power of the central region is equal to the nominal distance power.

11. A contact lens according to any of claims 1-9, wherein the nominal distance power of the lens is greater than the radial curvature power of the central region.

12. A contact lens according to any of claims 7-8, or claims 10-11, wherein alternate concentric treatment zones provide higher radial curvature powers and lower radial curvature powers, wherein the higher radial curvature power is greater than the nominal distance power of the lens.

13. A contact lens according to claim 12, wherein the lower radial curvature add power is greater than the nominal distance power of the lens.

14. A contact lens according to any of claims 7-10, or claim 12, wherein each treatment zone provides a radial curvature add power of between +2.0 D and 10.0 D.

15. A contact lens according to any preceding claim, wherein the radial sagittal power profile across the central region is approximately flat.

16. A contact lens according to any preceding claim, wherein the radial sagittal power profile across the central region is curved.

17. A contact lens according to 19, wherein the radial sagittal power profile across the central region has a quadratic or parabolic shape.

18. A contact lens according to any preceding claim, wherein the radial curvature power of each treatment zone results from the curvature of an anterior surface and/or a posterior surface of the lens.

19. The contact lens according to any preceding claim, wherein the lens comprises an elastomer material, a silicone elastomer material, a hydrogel material, or a silicone hydrogel material, or mixtures thereof.

20. A method of manufacturing a contact lens, the method comprising:

forming a contact lens according to any preceding claim.