CLAIMS

1. An ocular lens, comprising:

a lens body configured to contact an eye, the lens body shaped to direct incoming light towards a central focal point of a central region of a retina of the eye when disposed relative to the eye; and

at least one optic feature of the lens body that directs the incoming light into the eye away from the central region of the retina when disposed relative to the eye, wherein the at least one optic feature is semi-spherical, hexagonal, triangular, diamond, or Fresnel type shaped, and wherein the at least one optic feature further causes the incoming light directed away from the central region of the retina to have a focal point in front of or behind the retina.

2. The ocular lens of claim 1, wherein the at least one optic feature is a printed feature.

3. The ocular lens of claim 1, wherein the at least one optic feature is formed on an anterior surface or a posterior surface of the lens body.

4. The ocular lens of claim 1, wherein the ocular lens comprises a composite ocular lens having a plurality of layers, wherein the at least one optic feature is formed on an intermediate layer of the composite ocular lens.

5. The ocular lens of claim 1, wherein:

a central area of the lens body is shaped to direct the incoming light towards the central focal point of the central region of the retina of the eye when disposed relative to the eye; and

the at least one optic feature is located in a region outside of the central area.

6. The ocular lens of claim 1, wherein the at least one optic feature has a different refractive index than a material of the lens body.

7. The ocular lens of claim 1, wherein the ocular lens comprises one of a contact lens, a soft contact lens, or a rigid gas permeable contact lens.

8. The ocular lens of claim 1, wherein the ocular lens comprises an implantable lens.

9. The ocular lens of claim 1, wherein the at least one optic feature is configured to direct the incoming light into a peripheral region of the retina.

10. The ocular lens of claim 1, wherein the at least one optic feature is configured to focus the incoming light onto a peripheral region of the retina.

11. The ocular lens of claim 1, wherein the at least one optic feature is configured to focus the incoming light in front of a peripheral region of the retina.

12. The ocular lens of claim 1, wherein the at least one optic feature is configured to focus the incoming light behind a peripheral region of the retina.

13. The ocular lens of claim 1, wherein the at least one optic feature is free from the incoming light directed towards the central region of the retina.

14. The ocular lens of claim 1, wherein the at least one optic feature comprises the same refractive index as a material of the lens body.

15. The ocular lens of claim 1, wherein the at least one optic feature is configured to modify an axial growth rate of the eye.

16. The ocular lens of claim 1, wherein the at least one optic feature is configured to control a development of myopia.

17. The ocular lens of claim 1, wherein the at least one optic feature is configured to prevent a development of myopia.

18. The ocular lens of claim 1, wherein the at least one optic feature is one of multiple independent optic features of the ocular lens.

19. The ocular lens of claim 18, wherein at least a subset of the multiple independent optic features are independently tuned to focus light towards different portions of the retina when worn on the eye.

20. The ocular lens of claim 18, wherein at least a subset of the multiple independent optic features are positioned asymmetrically about the ocular lens with respect to a central axis of the ocular lens.

21. The ocular lens of claim 18, wherein at least one of the multiple independent optic features has a different refractive index than another of the multiple independent optic features.

22. The ocular lens of claim 18, wherein at least one of the multiple independent optic features has a different focusing power than another of the multiple independent optic features.

23. The ocular lens of claim 18, wherein at least one of the multiple independent optic features has a different size than another of the multiple independent optic features.

24. The ocular lens of claim 18, wherein at least one of the multiple independent optic features has a different shape than another of the multiple independent optic features.

25. The ocular lens of claim 1, wherein a field of curvature of the ocular lens is unaffected by the at least one optic feature.

26. The ocular lens of claim 1, wherein the at least one optic feature is a lenslet.

27. The ocular lens of claim 26, wherein the lenslet is a hexagonal lenslet.

28. The ocular lens of claim 26, wherein the lenslet is a semi-spherical lenslet.