CLAIMS

What is claimed is:

1. An organic light emitting diode (OLED) display panel, comprising:

a substrate;

a reflective electrode layer disposed on the substrate and having a plurality of reflective structures, wherein each of the reflective structures has a first region and a second region, wherein the first region is surrounded by the second region, or the second region is divided into two separate areas by the first region;

a pixel define layer (PDL) formed on the substrate and the reflective electrode layer, wherein the PDL is provided with a plurality of openings corresponding to the reflective structures, such that the first region and the second region of each of the reflective structures are exposed in a corresponding one of the openings; and

a plurality of organic emissive structures correspondingly formed in the openings and covering the reflective structures, forming a plurality of pixels,

wherein for each respective pixel of the pixels, a first reflective ratio of the respective pixel corresponding to the first region is greater than a second reflective ratio of the respective pixel corresponding to the second region.

2. The OLED display panel according to claim 1, having a total reflective ratio greater than or equal to 80%.

3. The OLED display panel according to claim 1, wherein a first area ratio of the first region is X of a total area of each of the reflective structures, a second area ratio of the second region is (1-X) of the total area of each of the reflective structures, and X is greater than or equal to 80% and less than or equal to 99%.

4. The OLED display panel according to claim 1, wherein for each of the reflective structures, a difference between the first reflective ratio of the first region and the second reflective ratio of the second region is greater than or equal to 1%.

5. The OLED display panel according to claim 4, wherein for each of the reflective structures, the first region and the second region are formed with a same material and have different thicknesses, such that the first reflective ratio of the first region is greater than the second reflective ratio of the second region.

6. The OLED display panel according to claim 5, wherein the material is selected from a group consisting of Ag, Al, Mg and Mo, and a first thickness of the first region is greater than a second thickness of the second region.

7. The OLED display panel according to claim 4, wherein for each of the reflective structures, the first region and the second region are formed with different materials and have a same thickness, such that the first reflective ratio of the first region is greater than the second reflective ratio of the second region.

8. The OLED display panel according to claim 7, wherein each of the different materials is selected from a group consisting of Ag, Al, Mg and Mo.

9. The OLED display panel according to claim 1, wherein a thickness of each of the reflective structures is less than or equal to 100 nm.

10. The OLED display panel according to claim 1, wherein for each of the reflective structures, a thickness of the first region is less than or equal to 100 nm and greater than or equal to 40 nm.

11. The OLED display panel according to claim 1, wherein each of the reflective structures further has a third region between the first region and the second region, and for each respective pixel of the pixels, a third reflective ratio of the respective pixel corresponding to the third region is greater than the second reflective ratio and

less than the first reflective ratio.

12. The OLED display panel according to claim 1, having a resolution greater than 600 pixels per inch (ppi).

13. The OLED display panel according to claim 1, wherein the reflective structures in function as anodes of the pixels, and each of the reflective structures is respectively covered and sandwiched by two transparent layers.

14. The OLED display panel according to claim 13, wherein the transparent layers are indium tin oxide (ITO) layers.

15. A device having the OLED display panel according to claim 1.

16. The device according to claim 15, being a virtual reality (VR) device.