CLAIMS

1. A light source comprising an optical filter configured to change a chromaticity of light of the light source so as to transmit a filtered light having a proportion of blue light that is higher than a proportion of red light.

2. The light source as claimed in claim 1, wherein the filtered light has a minimum wavelength of about 460 nm.

3. The light source as claimed in claim 1 or 2, wherein the filtered light has a proportion of green light.

4. The light source as claimed in claim 3, wherein the blue light has a peak wavelength at about 480 nm within a range of blue wavelengths from about 460 nm to about 500 nm and the green light has a peak wavelength at about 550 nm within a range of green wavelengths from about 530 nm to about 570 nm.

5. The light source as claimed in claim 4, wherein the proportion of blue light is between about 80% and about 90% and the proportion of green light is between about 10% and about 20%, and with less than about 1% of red light.

6. A light source comprising a light emitter configured to emit a light having a proportion of blue light that is higher than a proportion of red light, the light having a minimum wavelength of about 460 nm.

7. The light source as claimed in claim 6, wherein the light has a proportion of green light.

8. The light source as claimed in claim 7, wherein the blue light has a peak wavelength at about 480 nm within a range of blue wavelengths from about 460 nm to

about 500 nm and the green light has a peak wavelength at about 550 nm within a range of green wavelengths from about 530 nm to about 570 nm.

9. The light source as claimed in claim 8, wherein the proportion of blue light is between about 80% and about 90% and the proportion of green light is between about 10% and about 20%, and with less than about 1% of red light.

10. The light source as claimed in any one of claims 7 to 9, wherein the light emitter comprises a plurality of light emitting diodes (LEDs), each light emitting diode configured to emit at least one of the blue light or the green light.

11. The light source as claimed in any one of claims 7 to 9, wherein the light emitter comprises blue emitting fluorescent light sources, wherein each blue emitting fluorescent light source is configured to emit at least one of the blue light or the green light.