

ABSTRACT

The present application relates to the technical field of light source technology, and provides a near-natural light LED light source and an illuminating device. The near-natural light LED light source includes a substrate, at least one light-emitting assembly arranged on the substrate, and an electrical connector electrically connected to the light-emitting assembly. The light-emitting assembly includes at least three light-emitting units, each light-emitting unit comprises a blue light chip and a wavelength conversion element formed on a light-emitting side of the blue light chip, peak wavelengths of at least two of the blue light chips in a same light-emitting assembly differ by more than 3nm, light emitted by all of the light-emitting units in the same light-emitting assembly are mixed to form a near-natural light with a wavelength of 400-700nm, and an absolute spectral power of a 640-700nm band in the near-natural light is greater than 0.7. The near-natural light LED light source and the illuminating device provided in the present application can emit near-natural light, and the red light spectrum is saturated.

FIG. 1