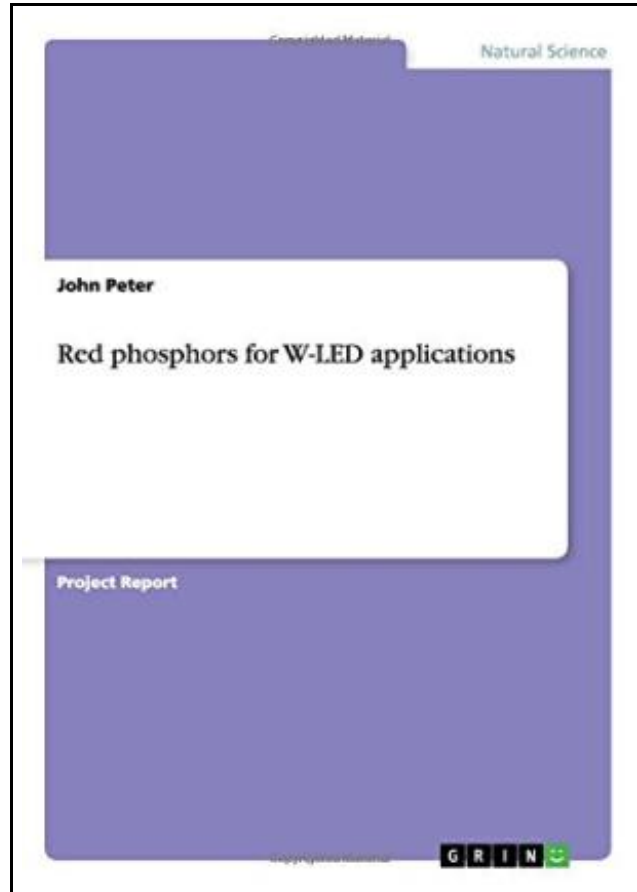


## Red phosphors for W-LED applications



Filesize: 8.69 MB

### **Reviews**

*These sorts of ebook is the best publication accessible. It is amongst the most amazing ebook i actually have read. It is extremely difficult to leave it before concluding, once you begin to read the book.*

*(Jace Gusikowski IV)*

## RED PHOSPHORS FOR W-LED APPLICATIONS



To get **Red phosphors for W-LED applications** eBook, you should refer to the hyperlink beneath and save the ebook or gain access to additional information which might be highly relevant to RED PHOSPHORS FOR W-LED APPLICATIONS ebook.

GRIN Verlag Okt 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x2 mm. This item is printed on demand - Print on Demand Titel. Neuware - Project Report from the year 2015 in the subject Physics - Optics, ST Anne's College Of Engineering And Technology (St. Anne's College of Engineering and Technology, Panruti, Tamilnadu, India), language: English, abstract: Trivalent rare-earth-ion-activated molybdate based phosphors have attracted great attention for solid-state lighting applications by virtue of their long lifetimes, and efficient luminescence property. The rare-earth ions are represented by a partly filled 4f shell that is completely shielded by 5s<sup>2</sup> and 5p<sup>6</sup> orbitals. Therefore, emission transitions provide sharp intense lines in the optical spectra [1, 2]. The use of rare-earth element-based phosphor, based on "line-type" f-f transitions, can narrow the emissions to the visible range, resulting in high efficiency and a high-lumen equivalence. In recent years, a flourishing care is concentrated on Li<sub>3</sub>Ba<sub>2</sub>Gd<sub>3-x</sub>(MoO<sub>4</sub>)<sub>8</sub> host matrix for luminescent ions in the interest of their excellent chemical and thermal stability and favourable luminescence characteristics compared to the sulfide- and nitride-based materials. Moreover, these are environmentally friendly as no toxic gases like sulphide are given out. Li<sub>3</sub>Ba<sub>2</sub>Gd<sub>3-x</sub>(MoO<sub>4</sub>)<sub>8</sub> occur in monoclinic crystal system with space group C2/c in a disordered structure [3]. For this research paper, a series of Li<sub>3</sub>Ba<sub>2</sub>Gd<sub>3-x</sub>Pr<sub>x</sub>(MoO<sub>4</sub>)<sub>8</sub> (x = 0.01, 0.03, 0.05, 0.07 and 0.09 mol) and Li<sub>3</sub>Ba<sub>2</sub>Gd<sub>3-x</sub>Sm<sub>x</sub>(MoO<sub>4</sub>)<sub>8</sub> (x = 0.02, 0.04, 0.06, 0.08 and 0.10 mol) red phosphors were synthesized by conventional solid state reaction method. 24 pp. Englisch.



[Read Red phosphors for W-LED applications Online](#)



[Download PDF Red phosphors for W-LED applications](#)

## Related Kindle Books

---



### [PDF] Psychologisches Testverfahren

Follow the link under to read "Psychologisches Testverfahren" file.

[Download ePub »](#)

---



### [PDF] Programming in D

Follow the link under to read "Programming in D" file.

[Download ePub »](#)

---



### [PDF] Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird

Follow the link under to read "Tinga Tinga Tales: Why Lion Roars - Read it Yourself with Ladybird" file.

[Download ePub »](#)

---



### [PDF] Sport is Fun (Red B) NF

Follow the link under to read "Sport is Fun (Red B) NF" file.

[Download ePub »](#)

---



### [PDF] Have You Locked the Castle Gate?

Follow the link under to read "Have You Locked the Castle Gate?" file.

[Download ePub »](#)

---



### [PDF] New KS2 English SAT Buster 10-Minute Tests: 2016 SATs & Beyond

Follow the link under to read "New KS2 English SAT Buster 10-Minute Tests: 2016 SATs & Beyond" file.

[Download ePub »](#)