

1. Record Nr.	UNINA9910136020703321
Titolo	IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers // IEEE
Pubbl/distr/stampa	New York, N.Y. : , : IEEE, , 2015
ISBN	0-7381-9644-4
Descrizione fisica	1 online resource (x, 66 pages) : illustrations
Collana	IEEE Std ; ; 1789-2015
Disciplina	621.3
Soggetti	Modulation-doped field-effect transistors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	This document includes a definition of the concept of modulation frequencies for light-emitting diodes (LEDs), a discussion on their applications to LED lighting, a description of LED lighting applications in which modulation frequencies pose possible health risks to users, a discussion of the dimming of LEDs by modulating the frequency of driving currents-voltage, and recommendations for modulation frequencies (flicker) for LED lighting and dimming applications to help protect against known potential adverse health effects.