1. Record Nr. UNISALENTO991003217279707536

| | |
|---|---|
| Autore | Simons, Ronald Harvey |
| Titolo | Lighting engineering [e-book] : applied calculations / R. H. Simons and A. R. Bean |
| Pubbl/distr/stampa | Oxford : Architectural Press, 2001 |
| ISBN | 9780750650519<br>0750650516 |
| Descrizione fisica | ix, 518 p., [1] leaf of plates : ill. (some col.) ; 25 cm |
| Altri autori (Persone) | Bean, Arthur Robertauthor |
| Disciplina | 621.321 |
| Soggetti | Lighting - Mathematics<br>Light sources - Mathematical models<br>Electric lighting<br>Electronic books. |
| Lingua di pubblicazione | Inglese |
| Formato | Risorsa elettronica |
| Livello bibliografico | Monografia |
| Nota di bibliografia | Includes bibliographical references and index |
| Nota di contenuto | The light field of a luminaire * The luminous intensity table and related computer applications * Direct illuminance from point, line and area sources * Flux transfer * Interreflected light * Optical design * Colour * Interior lighting * Main road and motorway lighting * Residential and road lighting * Tunnel lighting * Floodlighting * Specific applications : airfield lighting and emergency lighting * Daylight calculations * Measurements * Appendix |
| Sommario/riassunto | 'Lighting Engineering: Applied Calculations' describes the mathematical background to the calculation techniques used in lighting engineering and links them to the applications with which they are used. The fundamentals of flux and illuminance, colour, measurement and optical design are covered in detail. There are detailed discussions of specific applications, including interior lighting, road lighting, tunnel lighting, floodlighting and emergency lighting. The authors have used their years of experience to provide guidance for common mistakes and useful techniques including worked examples and case studies. The last decade has seen the universal application of personal computers to lighting engineering on a day-to-day basis. Many calculations that were previously impracticable are therefore now easily accessible to any |

engineer or designer who has access to an appropriate computer program. However, a grasp of the underlying calculation principles is still necessary in order to utilise these technologies to the full. Written by two of the leading authorities on this subject, 'Lighting Engineering' is essential reading for practising lighting engineers, designers and architects, and students in the field of lighting. * Provides you with detailed calculations and shows you how to apply them in practical situations * Benefit from the author teams' acknowledged expertise in the field * Learn to utilise new technologies to the full