

1. Record Nr.	UNINA9910484607803321
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Titolo	New frontiers for design of interior lighting products // Andrea Siniscalco
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-75782-X
Descrizione fisica	1 online resource (138 pages)
Collana	SpringerBriefs in Applied Sciences and Technology
Disciplina	621.322
Soggetti	Interior lighting - Design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- Foreword -- Preface -- Intended Readership -- Book Content -- Acknowledgements -- Contents -- 1 Classification of Lighting Fixtures and Main Related Standards -- 1.1 Introduction -- 1.2 Classification by Photometric Distribution -- 1.3 CIE System -- 1.4 Classification by Type of Cut-off -- 1.5 Classification by Application -- 1.6 Classification by Installation Method -- 1.7 Classification According to Standards Requirements -- 1.7.1 Classification by Electrical Insulation -- 1.7.2 Ingress Protection Classification -- 1.7.3 LED Product Performance Standard -- 1.7.4 Blue Light Hazard and Photobiological Safety -- 1.8 The Standardisation Bodies -- 1.8.1 IEC: International Electrotechnical Commission -- 1.8.2 CENELEC: Comite Europeen de Normalization en Electronique et en Electrotechnique -- 1.9 CE Marking: Directives for Lighting Fixtures in the European Community -- 1.9.1 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (Directive 2011/65/EU) -- 1.9.2 Ecodesign Requirements for Energy-Related Products (Directive 2009/125/EC) -- 1.9.3 Electrical Equipment Designed for Use Within Certain Voltage Limits (Directive 2006/95/EC and Directive 2014/35/EU) -- 1.9.4 Electromagnetic Compatibility (Directive 2004/108/EC and Directive 2014/30/EU) -- 1.9.5 Energy Labelling (Directive 2010/30/EU) -- References -- 2 Light Sources -- 2.1 Introduction -- 2.2 Basic Notions -- 2.3 LED -- 2.3.1 Principle of Operation -- 2.3.2 Semiconductors -- 2.3.3 The P-N Junction --

2.3.4 The Substrate -- 2.3.5 White Light with LEDs -- 2.3.6 The Binning -- 2.3.7 Classification of LEDs for Lighting -- 2.4 Future Scenarios -- 2.4.1 Quantum Dot Technology -- 2.4.2 Miniaturization -- 2.4.3 OLED -- References -- 3 Power Supply -- 3.1 Introduction -- 3.2 Parameters to Consider to Power the LEDs -- 3.2.1 Voltage (V) and Current (I).
3.2.2 Reverse Biasing -- 3.2.3 Junction Temperature -- 3.2.4 Footprint and Layout -- 3.3 LED Driving -- 3.3.1 Discrete Components -- 3.3.2 Linear Regulators -- 3.3.3 Switching Mode Drivers -- References -- 4 Thermal Dissipation -- 4.1 Introduction -- 4.2 Basic Notions -- 4.2.1 LED Life -- 4.2.2 Heat Transfer -- 4.3 LED Dissipation -- 4.3.1 Calculation Example -- 4.4 Components to Consider in the Cooling Process -- 4.4.1 Printed Circuit Board (PCB) -- 4.4.2 Thermal Interface Material (TIM) -- 4.4.3 Housing -- 4.4.4 Heatsinks -- 4.5 Computational Fluid Dynamics Software -- References -- 5 An Overview on Controls -- 5.1 Introduction: Products for Well-Being -- 5.2 Classic Communication Systems for Light Control -- 5.3 Sensors for Control -- 5.4 IPS and IoT in the Interior Design -- 5.5 IPS Open Source -- 5.6 Smart Lighting Controls -- 5.7 Research on Light Control Strategies -- 5.8 Commercial Control Systems -- 5.9 DIY and Smart Lighting -- References -- 6 Optical Systems -- 6.1 Introduction -- 6.2 Light, in Short -- 6.3 Optical Systems -- 6.4 Reflection -- 6.4.1 Specular Reflectors -- 6.5 Refraction -- 6.6 Losses -- 6.7 Spherical Lenses -- 6.8 Total Internal Reflection -- 6.9 TIR Lenses -- 6.9.1 TIR Lenses: Parameters that Affect the Beams -- 6.9.2 TIR Lenses: Other Issues -- 6.10 Hybrid Optical Systems -- 6.11 Freeform Optics -- 6.12 Screens and Filters -- 6.12.1 Diffusion Screens -- 6.12.2 Refractive Screens -- 6.12.3 Diffractive Screens -- 6.12.4 Filters -- 6.13 Software -- References.

2. Record Nr.	UNINA9910967739603321
Titolo	Anti-cartel enforcement in a contemporary age : leniency religion // edited by Caron Beaton-Wells and Christopher Tran
Pubbl/distr/stampa	Oxford, United Kingdom ; ; Portland, Ore. : , : Hart Publishing, , 2015
ISBN	9781849466095 9781474202398 147420239X 9781782259428 1782259422
Descrizione fisica	1 online resource (356 p.)
Collana	Hart studies in competition law ; ; v. 10
Disciplina	343.540721
Soggetti	Antitrust law Cartels
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. I. Introduction -- pt. II. Leniency convergence and divergence -- pt. III. Leniency and the competition authority -- pt. IV. Leniency and the corporation -- pt. V. Leniency and the individual -- pt. VI. Leniency and crime -- pt. VII. Leniency and compensation -- pt. VIII. Leniency and compliance.
Sommario/riassunto	"Leniency policies are seen as a revolution in contemporary anti-cartel law enforcement. Unique to competition law, these policies are regarded as essential to detecting, punishing and deterring business collusion - conduct that subverts competition at national and global levels. Featuring contributions from leading scholars, practitioners and enforcers from around the world, this book probes the almost universal adoption and zealous defence of leniency policies by many competition authorities and others. It charts the origins of and impetuses for the leniency movement, captures key insights from academic research and practical experience relating to the operation and effectiveness of leniency policies and examines leniency from the perspectives of corporate and individual applicants, advisers and authorities. The book also explores debates surrounding the intersections between leniency

and other crucial elements of the enforcement system such as compensation, compliance and criminalisation. The rich critical analysis in the book draws on the disciplines of law, regulation, economics and criminology. It makes a substantial and distinctive contribution to the literature on a topic that is highly significant to a wide range of actors in the field of competition law and business regulation generally. From the Foreword by Professor Frederic Jenny ' .. fundamental questions are raised and thoroughly discussed in this book which is undoubtedly the most comprehensive scholarly work on leniency policies produced so far .. [the] book should be required reading for all seeking to acquire a deeper insight into the issues related to leniency policy. It is a priceless contribution .. '"--Bloomsbury Publishing.

3. Record Nr.	UNINA9910959044403321
Titolo	Design and analysis of ecological experiments // edited by Samuel M. Scheiner and Jessica Gurevitch
Pubbl/distr/stampa	Oxford : , : Oxford University Press, , 2023
ISBN	0-19-770067-5 1-280-53066-9 9786610530663 0-19-803022-3 1-4294-0174-5
Edizione	[2nd ed.]
Descrizione fisica	514 p. : il. ; ; 24 cm
Collana	Oxford scholarship online
Disciplina	577/.07/27
Soggetti	Ecology - Statistical methods Experimental design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous edition: London : Chapman and Hall, 1993. Previously issued in print: 2001.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Contributors; 1 Theories, Hypotheses, and Statistics; 2 Power Analysis and Experimental Design; 3 Exploratory Data Analysis and Graphic Display; 4 ANOVA: Experimental Layout and Analysis; 5 ANOVA

and ANCOVA: Field Competition Experiments; 6 MANOVA: Multiple Response Variables and Multispecies Interactions; 7 ANCOVA: Nonparametric and Randomization Approaches; 8 Repeated-measures Analysis: Growth and Other Time-dependent Measures; 9 Time Series Intervention Analysis: Unreplicated Large-scale Experiments; 10 Nonlinear Curve Fitting: Predation and Functional Response Curves; 11 Logit Modeling and Logistic Regression: Aphids, Ants, and Plants; 12 Path Analysis: Pollination; 13 Failure-time Analysis: Studying Times to Events and Rates at Which Events Occur; 14 The Bootstrap and the Jackknife: Describing the Precision of Ecological Indices; 15 Spatial Statistics: Analysis of Field Experiments; 16 Mantel Tests: Spatial Structure in Field Experiments; 17 Bayesian Statistics: Estimating Plant Demographic Parameters; 18 Meta-analysis: Combining the Results of Independent Experiments; References; Index

Sommario/riassunto

This title focuses on the design and analysis of ecological experiments, concentrating on statistical approaches. Each chapter presents a particular statistical technique or set of techniques in the context of resolving an ecological issue.
