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Titolo	Effective Daylighting with High-Performance Facades : Emerging Design Practices / / by Kyle Konis, Stephen Selkowitz
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Descrizione fisica	1 online resource (XVI, 269 p. 233 illus., 183 illus. in color.)
Collana	Green Energy and Technology, , 1865-3529
Disciplina	729.28
Soggetti	Energy consumption Buildings—Design and construction Building Construction Engineering, Architectural Renewable energy resources Design Energy Efficiency Building Construction and Design Renewable and Green Energy Design, general
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	The Challenge of Effective Daylighting -- The Role of Metrics in Performance-based Design -- Innovative Daylighting Systems -- A Performance-based Design and Delivery Process -- Case Studies -- Validating Performance from the Perspective of End Users.
Sommario/riassunto	The book explores advanced building-facade daylighting design practices based on diverse energy and human-factor performance metrics. It also defines effective daylighting by rethinking the simplified approach to glazing and facade systems to incorporate the local climate and the needs of building occupants as critical drivers of building performance, design solutions and technological innovation. It discusses state-of-the-art approaches in the context of simulation-

based design workflows, innovative technologies and real project case studies, all targeting low and net-zero energy solutions that enhance occupant comfort. Readers benefit from a comprehensive approach that improves the feedback loop between design intent and performance in use. The book is intended for architects, lighting designers, facade engineers, manufacturers and building owners/operators, as well as advanced students.