

## 16 Abbreviations

AADL	Asociación Argentina de Luminotecnia (Argentine Lighting Association)
AC	alternating current
ACGIH	American Conference of Governmental Industrial Hygienists
ADC	analogue-to-digital converter
AlInGaP	aluminium gallium indium phosphide
ANSI	American National Standards Institute
ASHRAE	American Society of Heating, Refrigeration and Air-Conditioning Engineers
ASIC	application-specific integrated circuit
BEMS	building and energy management system
BLH	blue light hazard
BMS	building management system
BTU	British thermal unit
CCM	continuous-current mode
CCT	correlated colour temperature
CELMA	Federation of National Manufacturers Associations for Luminaires and
CEN	Electrotechnical Components for Luminaires in the European Union Comité Européen de Normalisation (European Committee for Standardization)
CFL	compact fluorescent lamp
CICS	constant illuminance control strategy
CIE	Commission Internationale de l'Eclairage (International Commission on Illumination)
CO <sub>2</sub>	carbon dioxide
CRI	colour rendering index
DAC	digital-to-analogue converter
DALI	digital addressable lighting interface
DC	direct current
DCM	discontinuous conduction mode
DHCS	daylight harvesting control strategy
DLP	digital lighting processing
EC	European Commission
ECBCS	Energy Conservation in Buildings and Community Systems
EEI	energy efficiency index
EEPROM	electrically erasable programmable read-only memory
ELC	European Lamp Companies Federation
EMC	electromagnetic compatibility
EMI	electromagnetic interference
EPBD	Energy Performance of Buildings Directive (European Union)
EU	European Union
EuP	energy-using products
FTP	functional performance testing
GaAsP	gallium arsenic phosphide
GLS	general service lamp
HfN	hafnium-nitride

HID	high-intensity discharge
HPS	high-pressure sodium
HVAC	heating, ventilation and air-conditioning
IAEEL	International Association for Energy-Efficient Lighting
IC	integrated circuit
ICNIRP	International Commission on Non-Ionizing Radiation Protection
IEA	International Energy Agency
IEC	International Electrotechnical Commission
IECC	International Energy Conservation Code
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IESNA	Illuminating Engineering Society of North America
IP	internet protocol
ipRGC	intrinsically photoreceptive retinal ganglion cells
IR	infrared
ISO	International Organization for Standardization
LCA	Life Cycle Analysis
LCC	Life Cycle Cost
LCCA	Life Cycle Cost Analysis
LCD	liquid crystal display
LEP	light emitting polymer
LED	light emitting diode
LEED	Leadership in Energy and Environmental Design (United States)
LENI	Lighting Energy Numeric Indicator
LFL	linear fluorescent lamp
LMS	lighting management system
LOR	luminaire output ratio
LPD	lighting power density
LPS	linear power supply
MEEUP	methodology study for eco design of the energy-using products
MF	maintenance factor
MHL	metal-halide lamp
Mlmh	mega lumen-hours
Mtoe	million tonnes of oil equivalent
NIF	non-image forming
NPD	normalized power density
OECD	Organisation for Economic Co-operation and Development
OLED	organic light emitting diode
PCA	polycrystalline sintered alumina
PCB	printed circuit board
PF	power factor
PLC	power line communication
Plmh	petalumen-hours
POCS	predicted occupancy control strategy
PWM	pulse width modulation
RAM	random-access memory
RFI	radio frequency interference
ROCS	real occupancy control strategy
RoHS	restriction of hazardous substances
ROM	read-only memory

RUF	roomutilizationfactor
RVP	relativevisualperformance
SCR	silicon-controlledrectifiers
SEPIC	single-endedprimaryinductanceconverter
SMPC	switchedmodepowerconverter
SMPS	switchedmodepowersupply
SPD	spectralpowerdistribution
THD <sub>i</sub>	totalharmonicdistortion
TLV	thresholdlimitvalue
UGR	unifiedglarering
UK	UnitedKingdom
US	UnitedStates
USART	universalserialasynchronousreceiver-transmitter
UV	ultraviolet
VAV	variableairvolume
VCP	visualcomfortprobability
VDSF	ventilateddoubleskinfacades
VDT	visualdisplayterminal
WEEE	WasteElectricalandElectronicEquipment

