

3.2.2	Project development	123
3.3	Practical planning	126
3.3.1	Lamp selection	126
3.3.1.1	Modelling and brilliance	127
3.3.1.2	Colour rendering	127
3.3.1.3	Luminous colour and colour temperature	128
3.3.1.4	Luminous flux	128
3.3.1.5	Efficiency	128
3.3.1.6	Brightness control	130
3.3.1.7	Ignition and re-ignition	130
3.3.1.8	Radiant and thermal load	130
3.3.2	Luminaire selection	132
3.3.2.1	Standard product or custom design	132
3.3.2.2	Integral or additive lighting	132
3.3.2.3	Stationary or movable lighting	136
3.3.2.4	General lighting or differentiated lighting	136
3.3.2.5	Direct or indirect lighting	136
3.3.2.6	Horizontal and vertical lighting	138
3.3.2.7	Lighting working areas and floors	138
3.3.2.8	Wall lighting	139
3.3.2.9	Ceiling lighting	141
3.3.2.10	Luminance limitation	141
3.3.2.11	Safety requirements	143
3.3.2.12	Relation to acoustics and air conditioning	143
3.3.2.13	Accessories	143
3.3.2.14	Lighting control and theatrical effects	144
3.3.3	Lighting layout	144
3.3.4	Switching and lighting control	150
3.3.5	Installation	152
3.3.5.1	Ceiling mounting	152
3.3.5.2	Wall and floor mounting	154
3.3.5.3	Suspension systems	154
3.3.6	Calculations	154
3.3.6.1	Utilisation factor method	154
3.3.6.2	Planning based on specific connected load	157
3.3.6.3	Point illuminance	158
3.3.6.4	Lighting costs	159
3.3.7	Simulation and presentation	160
3.3.8	Measuring lighting installations	168
3.3.9	Maintenance	169
4.0	Examples of lighting concepts	
4.1	Foyers	173
4.2	Lift lobbies	180
4.3	Corridors	184
4.4	Staircases	188
4.5	Team offices	192
4.6	Cellular offices	198
4.7	Executive offices	203
4.8	Conference rooms	207
4.9	Auditoriums	213
4.10	Canteens	217
4.11	Cafés, bistros	221
4.12	Restaurants	225
4.13	Multifunctional spaces	229
4.14	Museums, showcases	236
4.15	Museum, galleries	241
4.16	Vaulted ceilings	249
4.17	Sales areas, boutiques	252
4.18	Sales areas, counters	256
4.19	Administration buildings, public areas	259
4.20	Exhibitions	264
5.0	Appendix	
	Illuminance recommendations	270
	Classification of lamps	271
	Glossary	272, bibliography 282, acknowledgements 286, index 287

