

# Index

## Index

- Aberration 28, 57
- Absolute glare 79
- Absorption 87
- Accent lighting 53, 123, 126, 132, 136
- Accommodation 80
- Activity needs 112, 117, 118
- Adaptation 13, 38, 84
- Ambient light 24, 116
- Anodisation 88
- Architectural requirements 74, 119, 122
  
- Ballast 52, 54–60, 61, 65–68, 71
- Batwing characteristics 89, 98
- Beam spread 41, 47, 77, 85, 91, 92, 98, 102
- Biological needs 74, 117, 118, 122
- Brilliance 47, 53, 78–80, 97, 114, 117, 126, 127
  
- Candela, cd 41, 79, 99
- Capacitive circuit 67
- CB 65
- Chromaticity coordinates 83
- Chromatic aberration 44, 57
- CIE 83
- Colour adaptation 84
- Colour temperature 47, 52, 54, 71, 78, 83, 84, 127, 128
- Colour rendition 22, 47, 49, 52, 54, 57–60, 83, 84, 111, 119, 126–128, 130
- Compact fluorescent lamp 25, 54, 55, 66, 72, 97, 102
- Compensation 67, 71
- Cones 37
- Constancy 31
- Contrast 39, 73, 79, 144
- Contrast rendering 81, 154, 158, 168
- Control gear 49, 65, 67, 85, 126
- Convergence 80
- Coolbeam reflector 47, 50, 88
- Cove reflector 89
- Cove 141
- Cut-off angle (lamp) 89, 94
- Cut-off angle (luminaire) 94, 99
  
- Darklight reflector 90, 94
- Daylight 12, 15, 23, 31, 38, 47, 74, 76, 84, 122, 132, 150, 167, 168
- Daylight factor 167
- Daylight white 54, 60, 128
- Dichroic reflector 47, 49, 88
- Dichroic filters 88, 92
- Diffuse light 13, 53, 76, 85, 87, 88
- Dimmer 71, 73
- Direct glare 79–81, 98, 111, 137, 141, 143
- Direct field of vision 114
- Directed light 25, 76–78, 127, 137
- Disability glare 79
- Discharge lamp 21, 25, 43, 52, 53, 55, 60, 65, 68, 72, 83, 90, 101, 127, 128, 130, 132, 143
- Discomfort glare 79, 80
- Double-focus reflector 95
  
- EB 65, 66
- Ellipsoidal reflector 90
- Emitter 53
- Exposure 24, 42
- Eye 12, 24, 28, 29, 37, 38, 43, 57, 75, 79, 83, 84, 112, 114, 115
  
- Filter 53, 65, 87, 88, 92, 132
- Fluorescence 53
- Fluorescent lamp 21, 22, 25, 43, 53–55, 59, 65–67, 71, 72, 89, 92, 96, 97, 101–103, 127, 128, 130, 132, 136, 138
- Focal glow 24, 116
- Fovea 37

- Fresnel lens 16, 91, 92, 102
- Gas light 17, 20, 43  
 General service lamp 127  
 General lighting 13, 22, 24, 78, 99, 101, 102, 104, 127, 136–139, 141  
 Gestalt perception 33, 34, 147  
 Glare 12, 22, 39, 74, 79, 80, 89, 90, 99, 105, 114, 143  
 Gobo 73, 92, 102, 144
- High-pressure fluorescent lamp 21, 55, 56, 66, 73, 123  
 High-pressure mercury lamp 57, 127, 128, 130  
 High-voltage fluorescent tubes 21, 55, 56, 66, 73, 123
- Ignition aid 54, 59, 71, 72  
 Ignitor 58, 59, 61, 65–67  
 Illuminance 15, 22–24, 31, 37, 39, 42, 71, 73–78, 84, 110, 112, 113, 115, 116, 119, 126, 128, 130, 138, 150, 154, 155, 157, 158, 168, 169  
 Illuminance at a point 154, 158  
 Incandescent gas light 18  
 Incandescent lamp 21, 25, 43, 45, 47, 49, 50, 52–55, 58, 65, 71, 83, 96, 101, 102, 103, 104, 127, 128, 130, 132, 138, 157, 158, 169  
 Inductive circuit 65–67, 71, 72  
 Infrared radiation 88, 92, 132, 143  
 Interference 87  
 Inverse square law 42, 158  
 Involute reflector 90  
 Isoluminance diagram 158  
 Isolux diagram 158, 160
- Lead-lag circuit 67  
 Light output ratio 85, 94, 98, 155, 157, 158, 169  
 Light control 15, 16, 85, 87, 90, 92, 98, 127  
 Light loss factor 157, 169  
 Light output ratio 154, 155, 157, 158  
 Lighting control 25, 73, 126, 135, 136, 144, 150  
 Line spectrum 52  
 LiTG 155  
 LLB 65  
 Louvred luminaire 55, 80, 97–100, 104, 135–138, 143, 144, 147, 152, 153, 157  
 Low-pressure sodium vapour lamp 56, 57, 66, 128  
 Low-voltage halogen lamp 49, 127, 128, 130  
 Lumen, lm 40, 41, 130, 158  
 Luminaire classification 143  
 Luminaire efficiency 154, 155, 157, 158  
 Luminance limiting method 81  
 Luminance 31, 37–39, 75, 76, 79, 80, 99, 112–114, 143, 160  
 Luminescence 17, 18  
 Luminous efficacy 17, 18, 21, 22, 40, 45, 47, 49, 52, 54–56, 58–60, 65, 128, 130, 132, 157  
 Luminous colour 18, 32, 33, 45, 49, 52–54, 56–58, 60, 71, 73, 78, 83, 84, 88, 110, 119, 122, 126–128, 143, 144, 150, 169  
 Luminous intensity 22, 37, 103, 119, 128  
 Luminous intensity distribution 41  
 Luminous flux 40, 105, 128  
 Lux, lx 37, 74, 75, 84, 111, 114, 157
- Mesopic vision 37  
 Metal halide lamp 43, 59, 103, 105, 127, 128, 130  
 Mode of Protection 143  
 Modelling 77, 78, 97, 114, 126, 127, 137, 138, 144  
 Modular luminaire 97
- Neutral white 54, 60, 128  
 Night vision 37
- Optical fibre 105
- Parabolic reflector 89, 90  
 Perceptual psychology 24, 29, 113  
 Phase angle control 71  
 Photopic vision 37