

### Light planning Glare Evaluation According to UGR

|  |     |   |     |     |     |     |   |     |     |     |     |
|--|-----|---|-----|-----|-----|-----|---|-----|-----|-----|-----|
| p Ceiling  |     | 70  | 70  | 50  | 50  | 30  | 70                                      | 70  | 50  | 50  | 30  |
| p Walls  |     | 50  | 30  | 50  | 30  | 30  | 50                                      | 30  | 50  | 30  | 30  |
| p Floor  |     | 20  | 20  | 20  | 20  | 20  | 20                                      | 20  | 20  | 20  | 20  |
| Room size<br>X      Y  |     | Viewing direction at right angles to<br>lamp axis |     |     |     |     | Viewing direction parallel to lamp axis |     |     |     |     |
| 2H   | 2H  | 5.4   | 5.7 | 5.4 | 5.9 | 6.1 | 5.4                                     | 5.7 | 5.4 | 5.9 | 6.1 |
|  | 3H  | 5.2   | 5.7 | 5.5 | 5.9 | 6.0 | 5.2                                     | 5.7 | 5.5 | 5.9 | 6.0 |
|  | 4H  | 5.2   | 5.7 | 5.6 | 5.9 | 6.1 | 5.2                                     | 5.7 | 5.6 | 5.9 | 6.1 |
|  | 6H  | 5.4   | 5.8 | 5.7 | 6.1 | 6.5 | 5.4                                     | 5.8 | 5.7 | 6.1 | 6.5 |
|  | 8H  | 5.6   | 5.9 | 5.9 | 6.3 | 6.6 | 5.6                                     | 5.9 | 5.9 | 6.3 | 6.6 |
|  | 12H | 5.8   | 6.2 | 6.1 | 6.5 | 6.9 | 5.8                                     | 6.2 | 6.1 | 6.5 | 6.9 |
| 4H   | 2H  | 5.0   | 5.5 | 5.4 | 5.8 | 6.0 | 5.0                                     | 5.5 | 5.4 | 5.8 | 6.0 |
|  | 3H  | 5.1   | 5.4 | 5.4 | 5.8 | 6.2 | 5.1                                     | 5.4 | 5.4 | 5.8 | 6.2 |
|  | 4H  | 5.1   | 5.5 | 5.5 | 5.9 | 6.4 | 5.1                                     | 5.5 | 5.5 | 5.9 | 6.4 |
|  | 6H  | 5.4   | 5.8 | 5.9 | 6.2 | 6.5 | 5.4                                     | 5.8 | 5.9 | 6.2 | 6.5 |
|  | 8H  | 5.7   | 6.1 | 6.2 | 6.4 | 6.7 | 5.7                                     | 6.1 | 6.2 | 6.4 | 6.7 |
|  | 12H | 6.0   | 6.3 | 6.5 | 6.7 | 7.2 | 6.0                                     | 6.3 | 6.5 | 6.7 | 7.2 |
| 8H   | 4H  | 5.1   | 5.5 | 5.6 | 5.8 | 6.2 | 5.1                                     | 5.5 | 5.6 | 5.8 | 6.2 |
|  | 6H  | 5.6   | 5.8 | 6.1 | 6.3 | 6.8 | 5.6                                     | 5.8 | 6.1 | 6.3 | 6.8 |
|  | 8H  | 6.0   | 6.2 | 6.5 | 6.7 | 7.4 | 6.0                                     | 6.2 | 6.5 | 6.7 | 7.4 |
|  | 12H | 6.7   | 6.8 | 7.2 | 7.3 | 7.9 | 6.7                                     | 6.8 | 7.2 | 7.3 | 7.9 |
| 12H  | 4H  | 5.1   | 5.4 | 5.6 | 5.8 | 6.2 | 5.1                                     | 5.4 | 5.6 | 5.8 | 6.2 |
|  | 6H  | 5.7   | 5.9 | 6.2 | 6.4 | 7.0 | 5.7                                     | 5.9 | 6.2 | 6.4 | 7.0 |
|  | 8H  | 6.2   | 6.3 | 6.8 | 6.8 | 7.4 | 6.2                                     | 6.3 | 6.8 | 6.8 | 7.4 |
| Variation of the observer position for the luminaire distance S  |     |   |     |     |     |     |   |     |     |     |     |
| S = 1.0H   |     | 3.0 / -1.8  |     |     |     |     | 3.0 / -1.8                              |     |     |     |     |
| S = 1.5H   |     | 5.2 / -1.9  |     |     |     |     | 5.2 / -1.9                              |     |     |     |     |
| S = 2.0H   |     | 7.0 / -2.2  |     |     |     |     | 7.0 / -2.2                              |     |     |     |     |
| Corrected glare indices referring to 1090 lm total luminous flux |     |   |     |     |     |     |   |     |     |     |     |