

Operator
Telephone
Fax
e-Mail

TONS DG-9931RL(ZHT-C35-24D) / UGR-Table

Luminaire: TONS DG-9931RL(ZHT-C35-24D)

Lamps: 1 x CREE CMB1306-0000-00PN0U0A30H RA90 350mA

| Glare Evaluation According to UGR | | | | | | | | | | | |
|--|-----|---|-----|-----|-----|-----|--|-----|-----|-----|-----|
| ρ Ceiling | | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| ρ Walls | | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| ρ Floor | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Room Size X Y | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| 2H | 2H | 3.9 | 4.5 | 4.1 | 4.7 | 4.9 | 3.9 | 4.5 | 4.1 | 4.7 | 4.9 |
| | 3H | 3.8 | 4.3 | 4.0 | 4.6 | 4.8 | 3.8 | 4.3 | 4.0 | 4.6 | 4.8 |
| | 4H | 3.7 | 4.2 | 4.0 | 4.5 | 4.7 | 3.7 | 4.2 | 4.0 | 4.5 | 4.7 |
| | 6H | 3.6 | 4.1 | 3.9 | 4.4 | 4.7 | 3.6 | 4.1 | 3.9 | 4.4 | 4.7 |
| | 8H | 3.6 | 4.1 | 3.9 | 4.3 | 4.6 | 3.6 | 4.1 | 3.9 | 4.3 | 4.6 |
| | 12H | 3.5 | 4.0 | 3.9 | 4.3 | 4.6 | 3.5 | 4.0 | 3.9 | 4.3 | 4.6 |
| 4H | 2H | 3.7 | 4.2 | 4.0 | 4.5 | 4.7 | 3.7 | 4.2 | 4.0 | 4.5 | 4.7 |
| | 3H | 3.5 | 4.0 | 3.9 | 4.3 | 4.6 | 3.5 | 4.0 | 3.9 | 4.3 | 4.6 |
| | 4H | 3.5 | 3.9 | 3.8 | 4.2 | 4.5 | 3.5 | 3.9 | 3.8 | 4.2 | 4.5 |
| | 6H | 3.4 | 3.7 | 3.8 | 4.1 | 4.5 | 3.4 | 3.7 | 3.8 | 4.1 | 4.5 |
| | 8H | 3.4 | 3.6 | 3.8 | 4.0 | 4.4 | 3.4 | 3.6 | 3.8 | 4.0 | 4.4 |
| | 12H | 3.3 | 3.6 | 3.7 | 4.0 | 4.4 | 3.3 | 3.6 | 3.7 | 4.0 | 4.4 |
| 8H | 4H | 3.4 | 3.6 | 3.8 | 4.0 | 4.4 | 3.4 | 3.6 | 3.8 | 4.0 | 4.4 |
| | 6H | 3.3 | 3.5 | 3.7 | 3.9 | 4.3 | 3.3 | 3.5 | 3.7 | 3.9 | 4.3 |
| | 8H | 3.2 | 3.4 | 3.7 | 3.8 | 4.3 | 3.2 | 3.4 | 3.7 | 3.8 | 4.3 |
| | 12H | 3.2 | 3.3 | 3.6 | 3.8 | 4.3 | 3.2 | 3.3 | 3.6 | 3.8 | 4.3 |
| 12H | 4H | 3.3 | 3.6 | 3.7 | 4.0 | 4.4 | 3.3 | 3.6 | 3.7 | 4.0 | 4.4 |
| | 6H | 3.2 | 3.4 | 3.7 | 3.8 | 4.3 | 3.2 | 3.4 | 3.7 | 3.8 | 4.3 |
| | 8H | 3.2 | 3.3 | 3.6 | 3.8 | 4.3 | 3.2 | 3.3 | 3.6 | 3.8 | 4.3 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | | +4.9 / -19.4 | | | | | +4.9 / -19.4 | | | | |
| S = 1.5H | | +7.7 / -32.1 | | | | | +7.7 / -32.1 | | | | |
| S = 2.0H | | +9.7 / -33.8 | | | | | +9.7 / -33.8 | | | | |
| Standard table | | BK00 | | | | | BK00 | | | | |
| Correction Summand | | -15.8 | | | | | -15.8 | | | | |
| Corrected Glare Indices referring to 1679lm Total Luminous Flux | | | | | | | | | | | |

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 0.25.