

Operator
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TONS DG-9921RL(ZHT-C29-50D) / UGR-Table

Luminaire: TONS DG-9921RL(ZHT-C29-50D)

Lamps: 1 x LUMINUS CXM-4-30-90-36-TE60-F7-2 200mA

| 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 | 9.7 | 10.3 | 9.9 | 10.5 | 10.7 | 9.7 | 10.3 | 9.9 | 10.5 | 10.7 |
| | 3H | 9.6 | 10.1 | 9.8 | 10.4 | 10.6 | 9.6 | 10.1 | 9.8 | 10.4 | 10.6 |
| | 4H | 9.5 | 10.0 | 9.8 | 10.3 | 10.5 | 9.5 | 10.0 | 9.8 | 10.3 | 10.5 |
| | 6H | 9.4 | 9.9 | 9.7 | 10.2 | 10.5 | 9.4 | 9.9 | 9.7 | 10.2 | 10.5 |
| | 8H | 9.4 | 9.8 | 9.7 | 10.1 | 10.4 | 9.4 | 9.8 | 9.7 | 10.1 | 10.4 |
| | 12H | 9.3 | 9.8 | 9.7 | 10.1 | 10.4 | 9.3 | 9.8 | 9.7 | 10.1 | 10.4 |
| 4H | 2H | 9.5 | 10.0 | 9.8 | 10.3 | 10.5 | 9.5 | 10.0 | 9.8 | 10.3 | 10.5 |
| | 3H | 9.3 | 9.8 | 9.7 | 10.1 | 10.4 | 9.3 | 9.8 | 9.7 | 10.1 | 10.4 |
| | 4H | 9.3 | 9.6 | 9.6 | 10.0 | 10.3 | 9.3 | 9.6 | 9.6 | 10.0 | 10.3 |
| | 6H | 9.2 | 9.5 | 9.6 | 9.9 | 10.2 | 9.2 | 9.5 | 9.6 | 9.9 | 10.2 |
| | 8H | 9.1 | 9.4 | 9.6 | 9.8 | 10.2 | 9.1 | 9.4 | 9.6 | 9.8 | 10.2 |
| | 12H | 9.1 | 9.3 | 9.5 | 9.7 | 10.2 | 9.1 | 9.3 | 9.5 | 9.7 | 10.2 |
| 8H | 4H | 9.1 | 9.4 | 9.6 | 9.8 | 10.2 | 9.1 | 9.4 | 9.6 | 9.8 | 10.2 |
| | 6H | 9.1 | 9.3 | 9.5 | 9.7 | 10.1 | 9.1 | 9.3 | 9.5 | 9.7 | 10.1 |
| | 8H | 9.0 | 9.2 | 9.5 | 9.6 | 10.1 | 9.0 | 9.2 | 9.5 | 9.6 | 10.1 |
| | 12H | 9.0 | 9.1 | 9.4 | 9.6 | 10.0 | 9.0 | 9.1 | 9.4 | 9.6 | 10.0 |
| 12H | 4H | 9.1 | 9.3 | 9.5 | 9.7 | 10.2 | 9.1 | 9.3 | 9.5 | 9.7 | 10.2 |
| | 6H | 9.0 | 9.2 | 9.5 | 9.6 | 10.1 | 9.0 | 9.2 | 9.5 | 9.6 | 10.1 |
| | 8H | 9.0 | 9.1 | 9.4 | 9.6 | 10.0 | 9.0 | 9.1 | 9.4 | 9.6 | 10.0 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | | +6.6 / -27.8 | | | | | +6.6 / -27.8 | | | | |
| S = 1.5H | | +9.5 / -37.9 | | | | | +9.5 / -37.9 | | | | |
| S = 2.0H | | +11.5 / -38.7 | | | | | +11.5 / -38.7 | | | | |
| Standard table | | BK00 | | | | | BK00 | | | | |
| Correction Summand | | -10.2 | | | | | -10.2 | | | | |
| Corrected Glare Indices referring to 740lm Total Luminous Flux | | | | | | | | | | | |

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