

OliNo Energy BV

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Quality Leds P-T8-20W4FT-G13-1650-840-120-FC Led Tube linno 120cm led tube / UGR-Table

 Luminaire: Quality Leds P-T8-20W4FT-G13-1650-840-120-FC Led Tube linno 120cm led tube
 Lamps: 1 x LED

| 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 | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
| X | Y | | | | | | | | | | |
| 2H | 2H | 20.7 | 22.0 | 21.2 | 22.4 | 22.9 | 20.2 | 21.5 | 20.7 | 21.9 | 22.4 |
| | 3H | 22.7 | 23.9 | 23.2 | 24.3 | 24.8 | 21.8 | 22.9 | 22.2 | 23.4 | 23.8 |
| | 4H | 23.7 | 24.8 | 24.2 | 25.2 | 25.7 | 22.3 | 23.4 | 22.8 | 23.9 | 24.4 |
| | 6H | 24.6 | 25.6 | 25.1 | 26.1 | 26.6 | 22.7 | 23.7 | 23.2 | 24.2 | 24.7 |
| | 8H | 25.0 | 26.0 | 25.6 | 26.5 | 27.1 | 22.8 | 23.8 | 23.3 | 24.3 | 24.8 |
| | 12H | 25.5 | 26.4 | 26.0 | 26.9 | 27.5 | 22.8 | 23.8 | 23.4 | 24.3 | 24.8 |
| 4H | 2H | 21.4 | 22.5 | 21.9 | 22.9 | 23.4 | 21.0 | 22.1 | 21.5 | 22.5 | 23.0 |
| | 3H | 23.6 | 24.5 | 24.1 | 25.0 | 25.6 | 22.7 | 23.7 | 23.2 | 24.2 | 24.7 |
| | 4H | 24.7 | 25.6 | 25.2 | 26.1 | 26.6 | 23.4 | 24.3 | 24.0 | 24.8 | 25.4 |
| | 6H | 25.8 | 26.6 | 26.4 | 27.1 | 27.7 | 23.9 | 24.7 | 24.5 | 25.2 | 25.8 |
| | 8H | 26.4 | 27.1 | 26.9 | 27.6 | 28.2 | 24.1 | 24.8 | 24.7 | 25.4 | 26.0 |
| | 12H | 26.9 | 27.5 | 27.5 | 28.1 | 28.7 | 24.2 | 24.8 | 24.8 | 25.4 | 26.0 |
| 8H | 4H | 25.0 | 25.7 | 25.6 | 26.3 | 26.9 | 23.9 | 24.6 | 24.5 | 25.2 | 25.8 |
| | 6H | 26.4 | 27.0 | 27.0 | 27.5 | 28.2 | 24.7 | 25.3 | 25.3 | 25.9 | 26.5 |
| | 8H | 27.1 | 27.6 | 27.7 | 28.2 | 28.9 | 25.0 | 25.5 | 25.6 | 26.1 | 26.8 |
| | 12H | 27.8 | 28.2 | 28.4 | 28.9 | 29.6 | 25.2 | 25.6 | 25.8 | 26.2 | 26.9 |
| 12H | 4H | 25.0 | 25.7 | 25.6 | 26.3 | 26.9 | 24.0 | 24.7 | 24.6 | 25.3 | 25.9 |
| | 6H | 26.5 | 27.0 | 27.1 | 27.6 | 28.3 | 24.9 | 25.4 | 25.5 | 26.0 | 26.7 |
| | 8H | 27.2 | 27.7 | 27.9 | 28.3 | 29.0 | 25.3 | 25.7 | 25.9 | 26.4 | 27.1 |
| Variation of the observer position for the luminaire distances S | | | | | | | | | | | |
| S = 1.0H | | +0.1 / -0.1 | | | | | +0.1 / -0.1 | | | | |
| S = 1.5H | | +0.2 / -0.2 | | | | | +0.2 / -0.3 | | | | |
| S = 2.0H | | +0.3 / -0.4 | | | | | +0.3 / -0.5 | | | | |
| Standard table | | BK09 | | | | | BK06 | | | | |
| Correction | | 11.0 | | | | | 8.0 | | | | |
| Summand | | | | | | | | | | | |
| Corrected Glare Indices referring to 1716lm Total Luminous Flux | | | | | | | | | | | |

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