

OliNo Energy BV

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## Rentalite Products B.V. 001 PPL-150-V96 led tube light / UGR-Table

Luminaire: Rentalite Products B.V. 001 PPL-150-V96 led tube light  
 Lamps: 96 x LED

| <b>Glare Evaluation According to UGR</b>                         |     |   |      |      |      |      |  |      |      |      |      |
|--|-----|---|------|------|------|------|--|------|------|------|------|
| $\rho$ Ceiling   |     | 70  | 70   | 50   | 50   | 30   | 70   | 70   | 50   | 50   | 30   |
| $\rho$ Walls   |     | 50  | 30   | 50   | 30   | 30   | 50   | 30   | 50   | 30   | 30   |
| $\rho$ Floor   |     | 20  | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   | 20   |
| Room Size<br>X Y   |     | Viewing direction at right angles<br>to lamp axis |      |      |      |      | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H   | 2H  | 20.7  | 22.0 | 21.2 | 22.5 | 23.0 | 19.8                                       | 21.1 | 20.3 | 21.5 | 22.0 |
|  | 3H  | 23.4  | 24.6 | 23.9 | 25.0 | 25.6 | 21.2                                       | 22.4 | 21.7 | 22.9 | 23.4 |
|  | 4H  | 24.6  | 25.7 | 25.1 | 26.2 | 26.7 | 21.6                                       | 22.7 | 22.1 | 23.2 | 23.8 |
|  | 6H  | 25.7  | 26.8 | 26.3 | 27.3 | 27.9 | 21.8                                       | 22.9 | 22.3 | 23.4 | 23.9 |
|  | 8H  | 26.3  | 27.3 | 26.9 | 27.9 | 28.4 | 21.8                                       | 22.9 | 22.4 | 23.4 | 24.0 |
|  | 12H | 26.9  | 27.9 | 27.5 | 28.4 | 29.0 | 21.8                                       | 22.8 | 22.4 | 23.3 | 23.9 |
| 4H   | 2H  | 21.3  | 22.5 | 21.9 | 22.9 | 23.5 | 20.6                                       | 21.8 | 21.2 | 22.3 | 22.8 |
|  | 3H  | 24.3  | 25.2 | 24.8 | 25.8 | 26.3 | 22.4                                       | 23.4 | 23.0 | 23.9 | 24.5 |
|  | 4H  | 25.6  | 26.5 | 26.2 | 27.1 | 27.7 | 23.0                                       | 23.9 | 23.6 | 24.5 | 25.1 |
|  | 6H  | 27.0  | 27.8 | 27.6 | 28.4 | 29.0 | 23.4                                       | 24.1 | 24.0 | 24.7 | 25.4 |
|  | 8H  | 27.7  | 28.5 | 28.3 | 29.0 | 29.7 | 23.4                                       | 24.2 | 24.0 | 24.8 | 25.4 |
|  | 12H | 28.5  | 29.1 | 29.1 | 29.7 | 30.4 | 23.5                                       | 24.1 | 24.1 | 24.7 | 25.4 |
| 8H   | 4H  | 26.0  | 26.7 | 26.6 | 27.3 | 28.0 | 23.9                                       | 24.6 | 24.5 | 25.2 | 25.9 |
|  | 6H  | 27.6  | 28.2 | 28.3 | 28.9 | 29.6 | 24.6                                       | 25.2 | 25.2 | 25.8 | 26.5 |
|  | 8H  | 28.5  | 29.1 | 29.2 | 29.7 | 30.4 | 24.8                                       | 25.3 | 25.4 | 26.0 | 26.7 |
|  | 12H | 29.5  | 29.9 | 30.1 | 30.6 | 31.4 | 24.9                                       | 25.4 | 25.5 | 26.0 | 26.8 |
| 12H  | 4H  | 26.0  | 26.7 | 26.6 | 27.3 | 28.0 | 24.1                                       | 24.8 | 24.7 | 25.4 | 26.1 |
|  | 6H  | 27.7  | 28.3 | 28.4 | 28.9 | 29.6 | 25.0                                       | 25.5 | 25.6 | 26.1 | 26.9 |
|  | 8H  | 28.7  | 29.2 | 29.4 | 29.9 | 30.6 | 25.3                                       | 25.8 | 26.0 | 26.4 | 27.2 |
| 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 / -0.3                                       |      |      |      |      | +0.2 / -0.2                                |      |      |      |      |
| S = 2.0H   |     | +0.3 / -0.5                                       |      |      |      |      | +0.3 / -0.6                                |      |      |      |      |
| Standard table   |     | BK11  |      |      |      |      | BK14                                       |      |      |      |      |
| Correction<br>Summand  |     | 7.9   |      |      |      |      | 3.6  |      |      |      |      |
| Corrected Glare Indices referring to 4451lm Total Luminous Flux  |     |   |      |      |      |      |  |      |      |      |      |

The UGR values have been calculated according to CIE Publ. 117 Spacing-to-Height-Ratio = 1.00.