

OliNo Energy BV

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### Eccone EC905-830-001-18 Led tube T8 120 cm / UGR-Table

Luminaire: Eccone EC905-830-001-18 Led tube T8 120 cm  
 Lamps: 288 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  | 24.2  | 25.5 | 24.5 | 25.7 | 26.0 | 24.5                                       | 25.8 | 24.8 | 26.0 | 26.3 |
|  | 3H  | 26.0  | 27.2 | 26.4 | 27.5 | 27.8 | 26.0                                       | 27.2 | 26.3 | 27.4 | 27.7 |
|  | 4H  | 26.7  | 27.8 | 27.0 | 28.1 | 28.4 | 26.4                                       | 27.5 | 26.7 | 27.8 | 28.1 |
|  | 6H  | 27.1  | 28.1 | 27.4 | 28.4 | 28.7 | 26.6                                       | 27.7 | 27.0 | 28.0 | 28.3 |
|  | 8H  | 27.2  | 28.2 | 27.5 | 28.5 | 28.8 | 26.7                                       | 27.7 | 27.0 | 28.0 | 28.3 |
|  | 12H | 27.2  | 28.2 | 27.6 | 28.5 | 28.9 | 26.7                                       | 27.6 | 27.0 | 27.9 | 28.3 |
| 4H   | 2H  | 24.8  | 25.9 | 25.1 | 26.2 | 26.4 | 25.0                                       | 26.1 | 25.3 | 26.4 | 26.7 |
|  | 3H  | 26.8  | 27.8 | 27.2 | 28.1 | 28.4 | 26.7                                       | 27.7 | 27.1 | 28.0 | 28.3 |
|  | 4H  | 27.6  | 28.4 | 28.0 | 28.8 | 29.1 | 27.3                                       | 28.1 | 27.7 | 28.5 | 28.9 |
|  | 6H  | 28.1  | 28.8 | 28.5 | 29.2 | 29.6 | 27.6                                       | 28.4 | 28.0 | 28.7 | 29.1 |
|  | 8H  | 28.2  | 28.9 | 28.7 | 29.3 | 29.7 | 27.7                                       | 28.4 | 28.1 | 28.8 | 29.2 |
|  | 12H | 28.4  | 29.0 | 28.8 | 29.4 | 29.8 | 27.7                                       | 28.4 | 28.2 | 28.8 | 29.2 |
| 8H   | 4H  | 27.8  | 28.5 | 28.3 | 28.9 | 29.3 | 27.6                                       | 28.3 | 28.0 | 28.7 | 29.1 |
|  | 6H  | 28.5  | 29.0 | 28.9 | 29.5 | 29.9 | 28.1                                       | 28.6 | 28.5 | 29.1 | 29.5 |
|  | 8H  | 28.7  | 29.2 | 29.2 | 29.6 | 30.1 | 28.2                                       | 28.7 | 28.7 | 29.2 | 29.7 |
|  | 12H | 28.9  | 29.3 | 29.4 | 29.8 | 30.3 | 28.3                                       | 28.7 | 28.8 | 29.2 | 29.7 |
| 12H  | 4H  | 27.9  | 28.5 | 28.3 | 28.9 | 29.3 | 27.6                                       | 28.2 | 28.1 | 28.6 | 29.1 |
|  | 6H  | 28.5  | 29.0 | 29.0 | 29.5 | 29.9 | 28.1                                       | 28.6 | 28.6 | 29.1 | 29.6 |
|  | 8H  | 28.8  | 29.2 | 29.3 | 29.7 | 30.2 | 28.3                                       | 28.7 | 28.8 | 29.2 | 29.7 |
| Variation of the observer position for the luminaire distances S |     |   |      |      |      |      |  |      |      |      |      |
| S = 1.0H   |     | +0.1 / -0.1                                       |      |      |      |      | +0.1 / -0.2                                |      |      |      |      |
| S = 1.5H   |     | +0.2 / -0.4                                       |      |      |      |      | +0.2 / -0.4                                |      |      |      |      |
| S = 2.0H   |     | +0.4 / -0.6                                       |      |      |      |      | +0.6 / -0.8                                |      |      |      |      |
| Standard table   |     | BK06  |      |      |      |      | BK05                                       |      |      |      |      |
| Correction<br>Summand  |     | 9.4   |      |      |      |      | 8.6  |      |      |      |      |
| Corrected Glare Indices referring to 1940lm Total Luminous Flux  |     |   |      |      |      |      |  |      |      |      |      |

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