

OliNo Energy BV

Operator Marcel van der Steen  
 Telephone  
 Fax  
 e-Mail marcel@olino.org

## Lagotronics 95000158 DecaLED Module Win-50 9W 3000°K / UGR-Table

Luminaire: Lagotronics 95000158 DecaLED Module Win-50 9W 3000°K  
 Lamps: 1 x LED

| <b>Glare Evaluation According to UGR</b>                         |             |   |      |      |      |             |  |      |      |      |      |
|--|-------------|---|------|------|------|-------------|--|------|------|------|------|
| 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<br>X      Y  |             | Viewing direction at right angles<br>to lamp axis |      |      |      |             | Viewing direction parallel<br>to lamp axis |      |      |      |      |
| 2H   | 2H          | 21.7  | 22.5 | 21.9 | 22.7 | 22.9        | 21.7                                       | 22.5 | 21.9 | 22.7 | 22.9 |
|  | 3H          | 22.4  | 23.1 | 22.7 | 23.4 | 23.6        | 22.4                                       | 23.1 | 22.7 | 23.4 | 23.6 |
|  | 4H          | 22.6  | 23.3 | 22.9 | 23.5 | 23.8        | 22.6                                       | 23.3 | 22.9 | 23.5 | 23.8 |
|  | 6H          | 22.7  | 23.3 | 23.0 | 23.6 | 23.9        | 22.7                                       | 23.3 | 23.0 | 23.6 | 23.9 |
|  | 8H          | 22.7  | 23.4 | 23.1 | 23.7 | 24.0        | 22.7                                       | 23.4 | 23.1 | 23.7 | 24.0 |
|  | 12H         | 22.8  | 23.3 | 23.1 | 23.7 | 24.0        | 22.8                                       | 23.3 | 23.1 | 23.7 | 24.0 |
| 4H   | 2H          | 22.0  | 22.7 | 22.3 | 22.9 | 23.2        | 22.0                                       | 22.7 | 22.3 | 22.9 | 23.2 |
|  | 3H          | 22.8  | 23.4 | 23.1 | 23.7 | 24.0        | 22.8                                       | 23.4 | 23.1 | 23.7 | 24.0 |
|  | 4H          | 23.0  | 23.5 | 23.4 | 23.9 | 24.2        | 23.0                                       | 23.5 | 23.4 | 23.9 | 24.2 |
|  | 6H          | 23.3  | 23.7 | 23.7 | 24.1 | 24.4        | 23.3                                       | 23.7 | 23.7 | 24.1 | 24.4 |
|  | 8H          | 23.3  | 23.7 | 23.8 | 24.1 | 24.5        | 23.3                                       | 23.7 | 23.8 | 24.1 | 24.5 |
|  | 12H         | 23.4  | 23.7 | 23.8 | 24.1 | 24.6        | 23.4                                       | 23.7 | 23.8 | 24.1 | 24.6 |
| 8H   | 4H          | 23.1  | 23.5 | 23.5 | 23.9 | 24.3        | 23.1                                       | 23.5 | 23.5 | 23.9 | 24.3 |
|  | 6H          | 23.4  | 23.7 | 23.8 | 24.1 | 24.6        | 23.4                                       | 23.7 | 23.8 | 24.1 | 24.6 |
|  | 8H          | 23.5  | 23.8 | 24.0 | 24.2 | 24.7        | 23.5                                       | 23.8 | 24.0 | 24.2 | 24.7 |
|  | 12H         | 23.6  | 23.8 | 24.1 | 24.3 | 24.8        | 23.6                                       | 23.8 | 24.1 | 24.3 | 24.8 |
| 12H  | 4H          | 23.1  | 23.4 | 23.5 | 23.8 | 24.2        | 23.1                                       | 23.4 | 23.5 | 23.8 | 24.2 |
|  | 6H          | 23.4  | 23.7 | 23.9 | 24.1 | 24.6        | 23.4                                       | 23.7 | 23.9 | 24.1 | 24.6 |
|  | 8H          | 23.6  | 23.8 | 24.0 | 24.2 | 24.7        | 23.6                                       | 23.8 | 24.0 | 24.2 | 24.7 |
| Variation of the observer position for the luminaire distances S |             |   |      |      |      |             |  |      |      |      |      |
| S = 1.0H   | +1.6 / -1.8 |   |      |      |      | +1.6 / -1.8 |  |      |      |      |      |
| S = 1.5H   | +3.5 / -2.7 |   |      |      |      | +3.5 / -2.7 |  |      |      |      |      |
| S = 2.0H   | +5.2 / -3.7 |   |      |      |      | +5.2 / -3.7 |  |      |      |      |      |
| Standard table   | BK01        |   |      |      |      | BK01        |  |      |      |      |      |
| Correction<br>Summand  | 8.8         |   |      |      |      | 8.8         |  |      |      |      |      |
| Corrected Glare Indices referring to 692lm Total Luminous Flux   |             |   |      |      |      |             |  |      |      |      |      |

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