

OliNo Energy BV

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

## TDE-lighttech M4242 2700K frost cover / UGR-Table

Luminaire: TDE-lighttech M4242 2700K frost cover  
 Lamps: 1 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 X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	18.3	19.5	18.8	20.1	20.7	16.9	18.1	17.4	18.7	19.3
	3H	20.8	21.9	21.4	22.6	23.3	18.7	19.8	19.4	20.5	21.2
	4H	22.0	23.1	22.7	23.7	24.5	19.5	20.5	20.1	21.2	21.9
	6H	23.2	24.2	23.9	24.9	25.6	20.1	21.1	20.8	21.7	22.5
	8H	23.8	24.7	24.5	25.4	26.2	20.3	21.3	21.0	21.9	22.7
	12H	24.3	25.2	25.0	25.9	26.7	20.5	21.4	21.2	22.1	22.9
4H	2H	18.8	19.8	19.4	20.5	21.2	17.8	18.8	18.4	19.4	20.2
	3H	21.6	22.5	22.3	23.2	24.0	19.9	20.8	20.6	21.5	22.3
	4H	23.0	23.8	23.7	24.5	25.4	20.9	21.7	21.6	22.4	23.2
	6H	24.4	25.1	25.1	25.9	26.7	21.6	22.3	22.3	23.0	23.9
	8H	25.1	25.8	25.8	26.5	27.4	21.9	22.6	22.6	23.3	24.2
	12H	25.7	26.4	26.5	27.1	28.0	22.1	22.7	22.9	23.5	24.4
8H	4H	23.4	24.1	24.1	24.8	25.6	21.6	22.3	22.3	23.0	23.9
	6H	25.0	25.6	25.8	26.3	27.2	22.7	23.2	23.4	24.0	24.9
	8H	25.9	26.4	26.6	27.1	28.1	23.1	23.6	23.9	24.4	25.3
	12H	26.7	27.2	27.5	28.0	28.9	23.5	23.9	24.3	24.7	25.6
12H	4H	23.4	24.0	24.2	24.8	25.7	21.8	22.4	22.5	23.2	24.0
	6H	25.1	25.6	25.9	26.4	27.3	23.0	23.5	23.7	24.3	25.2
	8H	26.1	26.5	26.8	27.3	28.2	23.5	24.0	24.3	24.8	25.7
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 / -0.2					
S = 2.0H	+0.3 / -0.4					+0.3 / -0.5					
Standard table	BK11					BK08					
Correction Summand	13.3					9.5					
Corrected Glare Indices referring to 485lm Total Luminous Flux											

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