

OliNo Energy BV

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## ToroLED TS-30W / UGR-Table

Luminaire: ToroLED TS-30W  
 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	21.5	22.7	21.9	23.1	23.6	20.7	22.0	21.2	22.4	22.9
	3H	23.6	24.8	24.1	25.2	25.7	22.4	23.6	22.9	24.0	24.5
	4H	24.5	25.7	25.0	26.1	26.6	23.0	24.1	23.5	24.6	25.1
	6H	25.4	26.5	26.0	27.0	27.5	23.4	24.4	23.9	24.9	25.4
	8H	25.9	26.9	26.4	27.3	27.9	23.5	24.5	24.0	25.0	25.5
	12H	26.3	27.2	26.8	27.7	28.3	23.6	24.5	24.1	25.0	25.6
4H	2H	21.9	23.1	22.4	23.5	24.0	21.4	22.5	21.9	23.0	23.5
	3H	24.3	25.3	24.9	25.8	26.3	23.3	24.3	23.8	24.8	25.3
	4H	25.5	26.3	26.0	26.9	27.4	24.1	24.9	24.6	25.4	26.0
	6H	26.6	27.3	27.2	27.9	28.5	24.6	25.4	25.2	25.9	26.5
	8H	27.1	27.8	27.7	28.4	29.0	24.8	25.5	25.4	26.1	26.7
	12H	27.6	28.2	28.2	28.8	29.5	24.9	25.5	25.5	26.1	26.8
8H	4H	25.8	26.5	26.4	27.1	27.7	24.6	25.3	25.2	25.9	26.5
	6H	27.1	27.7	27.7	28.3	29.0	25.4	26.0	26.0	26.6	27.2
	8H	27.8	28.3	28.4	28.9	29.6	25.7	26.2	26.3	26.8	27.5
	12H	28.5	28.9	29.1	29.5	30.3	25.9	26.3	26.5	27.0	27.7
12H	4H	25.8	26.5	26.4	27.0	27.7	24.7	25.3	25.3	25.9	26.6
	6H	27.2	27.7	27.8	28.3	29.0	25.6	26.1	26.2	26.7	27.4
	8H	28.0	28.4	28.6	29.0	29.7	26.0	26.4	26.6	27.1	27.8
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 / -0.5					+0.3 / -0.5					
Standard table	BK09					BK06					
Correction Summand	7.8					4.8					
Corrected Glare Indices referring to 3243lm Total Luminous Flux											

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