

**Project 1**

OliNo Energy BV

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**Lemnis Lighting Asia 001 Led Light Bulb E27 800lm / UGR-Table**

Luminaire: Lemnis Lighting Asia 001 Led Light Bulb E27 800lm

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	21.3	22.5	22.0	23.1	24.0	21.3	22.5	22.0	23.1	24.0
	3H	23.7	24.8	24.4	25.5	26.3	23.7	24.8	24.4	25.5	26.3
	4H	24.8	25.8	25.5	26.5	27.4	24.8	25.8	25.5	26.5	27.4
	6H	25.9	26.8	26.6	27.6	28.5	25.9	26.8	26.6	27.6	28.5
	8H	26.4	27.3	27.1	28.1	29.0	26.4	27.3	27.1	28.1	29.0
	12H	26.9	27.7	27.6	28.5	29.4	26.9	27.7	27.6	28.5	29.4
4H	2H	21.9	22.9	22.6	23.7	24.5	21.9	22.9	22.6	23.7	24.5
	3H	24.6	25.4	25.3	26.2	27.1	24.6	25.4	25.3	26.2	27.1
	4H	25.9	26.6	26.6	27.4	28.4	25.9	26.6	26.6	27.4	28.4
	6H	27.1	27.8	27.9	28.6	29.6	27.1	27.8	27.9	28.6	29.6
	8H	27.7	28.4	28.5	29.2	30.2	27.7	28.4	28.5	29.2	30.2
	12H	28.3	28.9	29.1	29.7	30.7	28.3	28.9	29.1	29.7	30.7
8H	4H	26.3	27.0	27.1	27.8	28.8	26.3	27.0	27.1	27.8	28.8
	6H	27.8	28.4	28.6	29.2	30.2	27.8	28.4	28.6	29.2	30.2
	8H	28.6	29.1	29.4	29.9	30.9	28.6	29.1	29.4	29.9	30.9
	12H	29.3	29.7	30.2	30.6	31.6	29.3	29.7	30.2	30.6	31.6
12H	4H	26.4	27.0	27.2	27.8	28.8	26.4	27.0	27.2	27.8	28.8
	6H	28.0	28.5	28.8	29.3	30.3	28.0	28.5	28.8	29.3	30.3
	8H	28.8	29.2	29.7	30.1	31.2	28.8	29.2	29.7	30.1	31.2
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 / -0.2					+0.2 / -0.2				
S = 2.0H		+0.3 / -0.4					+0.3 / -0.4				
Standard table		BK10					BK10				
Correction Summand		14.8					14.8				
Corrected Glare Indices referring to 665lm Total Luminous Flux											

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