

OliNo Energy BV

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## Emmelkamp BV Joco CR 25101 Led Bar Luminaire Joco CR 25101 / UGR-Table

Luminaire: Emmelkamp BV Joco CR 25101 Led Bar Luminaire Joco CR 25101

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	21.2	22.4	21.5	22.7	22.9	24.5	25.7	24.8	25.9	26.1
	3H	22.1	23.2	22.4	23.4	23.7	26.2	27.2	26.5	27.5	27.8
	4H	22.2	23.3	22.6	23.5	23.8	26.7	27.7	27.1	28.0	28.3
	6H	22.3	23.2	22.6	23.5	23.8	27.1	28.0	27.4	28.3	28.6
	8H	22.2	23.1	22.6	23.4	23.8	27.2	28.1	27.5	28.4	28.7
	12H	22.2	23.1	22.6	23.4	23.7	27.2	28.0	27.6	28.4	28.7
4H	2H	22.0	23.0	22.3	23.2	23.5	24.7	25.7	25.0	25.9	26.2
	3H	22.9	23.8	23.3	24.1	24.4	26.5	27.4	26.9	27.7	28.0
	4H	23.2	23.9	23.5	24.2	24.6	27.2	27.9	27.6	28.3	28.6
	6H	23.2	23.8	23.6	24.2	24.6	27.7	28.3	28.1	28.7	29.1
	8H	23.2	23.8	23.6	24.2	24.6	27.8	28.4	28.2	28.8	29.2
	12H	23.2	23.7	23.6	24.1	24.6	27.8	28.4	28.3	28.8	29.2
8H	4H	23.4	24.0	23.9	24.4	24.8	27.2	27.8	27.6	28.2	28.6
	6H	23.5	24.0	23.9	24.4	24.9	27.7	28.2	28.2	28.6	29.1
	8H	23.5	23.9	24.0	24.4	24.8	27.8	28.3	28.3	28.7	29.2
	12H	23.5	23.9	24.0	24.4	24.8	27.9	28.3	28.4	28.7	29.2
12H	4H	23.4	24.0	23.9	24.4	24.8	27.2	27.7	27.6	28.1	28.5
	6H	23.5	23.9	24.0	24.4	24.9	27.7	28.1	28.1	28.5	29.0
	8H	23.5	23.9	24.0	24.4	24.9	27.8	28.2	28.3	28.6	29.1
Variation of the observer position for the luminaire distances S											
S = 1.0H		+0.3 / -0.5					+0.2 / -0.2				
S = 1.5H		+0.6 / -1.3					+0.2 / -0.4				
S = 2.0H		+1.2 / -2.3					+0.6 / -0.7				
Standard table		BK03					BK05				
Correction Summand		-0.3					4.0				
Corrected Glare Indices referring to 7154lm Total Luminous Flux											

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